

Amendments to the Specification:

Please replace paragraphs [0022], [0032], and [0033] with the following amended paragraphs:

[0022] FIG. 1 is an illustration of an exemplary analog-digital antenna system ~~120~~ 100 according to a preferred embodiment of the invention. The antenna system ~~120~~ 100 contains a digital transmitter 110 that transmits a digital signal onto the transmission line load (e.g., antenna 150). An isolator 120 is interposed between the transmission line 112 and the digital transmitter 110 to isolate the digital transmitter 110 from reflections or mismatches of power from the transmission line 112. The isolator 120 is illustrated as being composed of a circulator 122 and a terminating dummy load 124 to absorb the reflected power from the transmission line 112. Other known or future configurations for isolating the digital transmitter 110, other than the illustrated circulator 122 and dummy load 124 combination may be used, as deemed appropriate.

[0032] FIG. 4 illustrates an exemplary feed system for the exemplary antenna array 400. The exemplary feed system is “a single-entry” system for feeding the analog input 420 and digital input 410 into a common portion of the antenna mast 430. Since a digital signal is inherently of lower power than the analog signal, the transmission line carrying the digital signal can tend to be smaller than the transmission line carrying the analog signal. Therefore, while the analog input side 420 enters the “bottom” end of the antenna array 400, the digital input 410 can be fed through the center of the antenna mast 430 and brought back out at the top of the antenna mast 430 via a loop 450 to feed the antenna array 400 from the “top” side.

[0033] While FIG. 4 illustrates the analog 420 and digital input 410 entering the “bottom” of the antenna mast 430, it is readily apparent that the entry points of the antenna mast 430 may be reversed, as desired. Therefore, the use of “top” and “bottom” may be reversed according to design preference. Additionally, the antenna system 400 may be modified to have the analog input 420 pass all the way through the antenna mast 430 and be similarly brought back out of the top of the antenna mast 430 and fed into the antenna system 400 from the top side. Variations to feeding the antenna system 400 with a “single-entry” paradigm are within the preview purview of one of ordinary skill in the art and, therefore, are not further discussed.